

Total No. of Questions : 7]

SEAT No. :

P1906

[4772]-101

[Total No. of Pages : 1

M.C.M.

**FIT-101 : FUNDAMENTAL OF INFORMATION TECHNOLOGY
(2012 Pattern) (Semester-I)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question No. 1 and 7 are compulsory.*
- 2) *Attempt any four from the remaining.*
- 3) *Figures to the right indicate full marks.*

Q1) a) Define Computer and explain different types of Computer. **[8]**

b) What is scanner? Explain any two scanning devices: **[7]**

Q2) What is magnetic tape? Explain it in detail. **[10]**

Q3) Explain different types of Process Devices. **[10]**

Q4) What is CRT? Describe it with suitable diagram. **[10]**

Q5) Explain microprocessor in detail. **[10]**

Q6) Explain OSI Model (Seven Layers) in detail. **[10]**

Q7) Solve the following (Any Three): **[15]**

a) $(1110111)_2 = (?)_6$

b) $(AC)_{16} = (?)_{10}$

c) $(215)_{10} = (?)_2$

d) $(28)_{10} = (?)_8$



Total No. of Questions : 7]

SEAT No. :

P1907

[4772] - 102

[Total No. of Pages : 3

M.C.M.

**‘C’ PROGRAMMING AND DATA STRUCTURE
(2012 Pattern) (Semester - I)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q.No.1 is compulsory.*
- 2) *Solve any five from the remaining.*
- 3) *Figures to the right indicate full marks.*

Q1) a) Find and explain the output of the following programs. Assume suitable header files. **[12]**

i) void main ()

```
{  
    int a[5] = {5,1,15,20,25};  
    int i,j,m;  
    i = ++ a[1];  
    j = a [1] ++ ;  
    m = a [i++] ;  
    printf ("% d, % d, % d", i,j,m);  
}
```

ii) void main ()

```
{  
    int a = 500, b = 100, c;  
    if (!a >= 400)  
        b = 300;  
        c = 200;  
    printf("b = % d, c = % d", b,c);  
}
```

P.T.O.

```

iii) void main ()
    {
        int x = 3;
        float y = 3.0;
        if (x == y)
            printf("x and y are equal");
        else
            printf ("x and y are not equal");
    }

```

iv) What will be the content of 'file.c' after executing the following program?

```

void main ()
{
    FILE *fp1, *fp2;
    fp1 = fopen ("file.c", "w");
    fp2 = fopen ("file.c", "w");
    fputc ('A', fp1);
    fputc('B', fp2);
    fclose (fp1); fclose (fp2);
}

```

- b) Explain the following (Any two). [8]
- i) Linked list
 - ii) String functions
 - iii) Loop statements in C.

Q2) Write a program to display following pattern using nested loops. [10]

```

A
AB
ABC
ABCD

```

Q3) Write a program to accept two 3×3 matrices and display the addition on the screen. [10]

- Q4)** Write a function which receives a number and return 1 if the number is prime otherwise θ . **[10]**
- Q5)** Write a program to accept itcode, desc, rate and qty of 30 items. Display all the records in tabular form having qty greater than 10. **[10]**
- Q6)** Write a program to accept the two filenames from the command line and copy the contents of first file to the second file. **[10]**
- Q7)** Write a program to accept the 10 numbers and display the numbers by sorting them in ascending order. **[10]**



Total No. of Questions : 7]

SEAT No. :

P1908

[4772]-103

[Total No. of Pages : 2

M.C.M.

**103 : SOFTWARE ENGINEERING WITH UML
(2012 Pattern) (Semester-I)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q. No. 1 & 7 are compulsory.*
- 2) *Solve any four from remaining.*
- 3) *Neat diagram carry marks.*

Q1) A Famous Biscuit Company wants to develop the software for their wholesaler. Main focus of the company is to track the order and inventory monitoring of/ at wholesaler. To develop the software following system specification are given to System Analyst.

- on every update, price list is given to wholesaler, retailer resp.
- wholesaler gives orders, collected by retailer to company's sales dept.
- Company maintain all stack.
- Individual wholesaler makes collective payments against order to company A/c. As system analyst, design the following:
 - a) Draw DFD. [10]
 - b) Design two suitable entry screen. [10]
 - c) Prepare menu design for proposed software. [5]

Q2) Explain various Fact-finding methods. [10]

Q3) Explain classic model [waterfall] in detail. [10]

Q4) Explain RUP in detail. [10]

Q5) Draw Use Case Diagram for an online shopping system. [10]

P.T.O.

Q6) Draw State Transition Diagram for online Railway Reservation System. [10]

Q7) Write short note (Any Three): [15]

- a) OOAD & SSAD.
- b) Role of System Analyst.
- c) Decision Tree & Decision Table.
- d) Design pattern.



Total No. of Questions : 7]

SEAT No. :

P1909

[4772] - 104

[Total No. of Pages : 2

M.C.M.

**104: DATABASE MANAGEMENT SYSTEM (DBMS)
(2012 Pattern) (Semester - I)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q.No.1 is compulsory.*
- 2) *Solve any five from remaining.*
- 3) *Figures to the right indicate full marks.*

Q1) a) “Apple Airways” is one of the private airlines in India, which caters large no. of people. It has about 10 planes, in which 5 serves for domestic and 5 for international. As the company is doing good business, they want to make the reservation system as a computerized Airline Reservation System. Consider the plane details, their departure, and arrival time, source and destination. Draw ERD and convert into relational database (Tables).

[10]

b) Normalize the following layout upto 3NF.

[10]

Ticket No: _____

Bus Name: _____

Bus No: _____

Departure Time: _____

Date of Journey: _____

Sr. No. Name of Passenger Gender Age Seat No. Reservation Charges Amount

Date: _____

Total Amount: _____

Q2) Explain the characteristics of DBMS.

[10]

P.T.O.

Q3) a) Explain states of Transactions with neat diagram. **[5]**

b) What is transaction? Explain ACID properties of Transaction. **[5]**

Q4) Explain any five E.F. codd rules. **[10]**

Q5) What is concurrency control? Explain time stamp based protocol with example. **[10]**

Q6) a) Explain select and project operations in relational algebra with example. **[6]**

b) Explain mandatory access control. **[4]**

Q7) Write short notes: Any Two. **[10]**

a) Database users.

b) Data independence

c) Integrity constraints.



Total No. of Questions : 6]

SEAT No. :

P1910

[4772] - 201

[Total No. of Pages : 1

M.C.M.

**201: BUSINESS APPLICATION AND ERP TOOLS
(2012 Pattern) (Semester - II)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Question No.1 & Question No. 6 are compulsory.*
- 2) Solve any THREE from remaining.*
- 3) Figures to the right indicate full marks.*

Q1) Explain steps involved in Purchase order processing with help of First Level DFD. Draw format of purchase Order. **[20]**

Q2) Explain process of preparation of Quotation. Draw format of Quotation. **[10]**

Q3) What is purpose of Trial Balance. Draw format of Trial Balance. **[10]**

Q4) Explain Salary calculation. Draw format of various deduction reports. **[10]**

Q5) Explain ERP Implementation cycle in detail. **[10]**

Q6) Write short Notes (Any four): **[4×5 = 20]**

- a) MPS
- b) Ratios
- c) Growth of ERP
- d) Bonus
- e) Vendor Analysis
- f) Market segments



Total No. of Questions : 7]

SEAT No. :

P1911

[4772] - 202

[Total No. of Pages : 1

M.C.M.

**202: PRINCIPLES AND PRACTICES OF MANAGEMENT AND
ORGANIZATIONAL BEHAVIOUR
(2012 Pattern) (Semester - II)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Attempt any five questions.*
- 2) *All questions carry equal marks.*

Q1) Define Management. Explain Need and scope of management.

Q2) Elaborate the contributions put forth by Henry Fayol towards evolution of management thoughts.

Q3) “Almost Every position in any business is a decisional centre”. Do you agree? Discuss the various types of decisions.

Q4) Define organization and need for organization. What are the types of organization?

Q5) Explain different concepts of OB. What are the different models of OB.?

Q6) Define Leadership. Explain the various styles of leadership.

Q7) Write short notes on: (Any TWO)

- a) Interpersonal conflict and intrapersonal conflict.
- b) Functions of management
- c) Transactional Analysis
- d) Managerial levels.



Total No. of Questions : 7]

SEAT No. :

P1912

[4772] - 203

[Total No. of Pages : 3

M.C.M.

**203: ADVANCED RELATIONAL DATABASE MANAGEMENT
SYSTEM (RDBMS) USING ORACLE
(2012 Pattern) (Semester - II)**

Time :3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Question Nos. 1 and 7 are compulsory.*
- 2) Attempt any three from the remaining.*
- 3) Figures to the right indicate full marks.*
- 4) Draw Neat diagrams wherever necessary.*

Consider the following tables to solve Queries and PLSQL given below:-

PATIENT (Pno, Pname, City, date_of_admission, date_of_discharge, room no)

DOCTOR (D_id, Dname)

Medicine (M_id, Medicine_Name, rate)

Treatment (Pno, D_id, M_id, qty, date_of_check up, diagnosis_detail)

Q1) Solve any ten Queries given below:

[20]

- a) Create patient table with constraints.
- b) Display the name of the patients who belongs to "PUNE".
- c) Display the name of the doctor whose first letter is "A".
- d) Display the name of the patients who were treated between '1-Jan-2014' to '12-Jan-2014'.
- e) What medicine has the Dr. ANAND prescribed to patient Mr. AMIT.
- f) Count the number of patients admitted in each room.

P.T.O.

- g) Find total number of patients treated by each doctor.
- h) Name the patient (s) who has purchased the costly medicine.
- i) Name the patient (o) who has purchased the cheapest medicine.
- j) Name the patients who have purchased the “CITRAZINE” Medicine.
- k) Count the Number of patients who were admitted in the hospital month-wise.
- l) Add a column “Contact_No” to Doctor table.

Q2) Write a cursor to display top 5 costly medicines (Display only M_id, Medicine_Name). **[10]**

Q3) Write a procedure display_info to accept the pno and display the following details of that patient (Pno, Pname, date_of_admission). **[10]**

Q4) Write a function to calculate the Medicine_total_cost () for the treatment given by Dr. ANAND to patient Mr. AMIT on medicine prescribed. **[10]**

Q5) Write a package specification and body which contains the followings: **[10]**

- a) A procedure which accepts three numbers and calculate the largest number.
- b) A function which accept the number and return if it is prime or not.

Q6) Write a trigger that will not allow user to update record in ‘Treatment’ table on sunday. **[10]**

Q7) Write a short Notes:(Any Four).

[20]

- a) Recover from loss of a control file
- b) Constraints
- c) Locks in oracle
- d) Join Operations
- e) Data Types in Oracle
- f) Stages of Database startup and shutdown options.



Total No. of Questions : 8]

SEAT No. :

P1913

[4772] - 204

[Total No. of Pages : 2

M.C.M.

204: JAVA PROGRAMMING

(2012 Pattern) (Semester - II)

Time :3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q.1 is compulsory.*
- 2) *All questions carry equal marks.*
- 3) *Solve any six from Q.2 to Q.8.*

Q1) Solve the following:

- a) What is abstract class?
- b) Listout Thread life cycle methods.
- c) What is Marker interface?
- d) What is layout manager.
- e) List any four methods of file class.

Q2) Write a application which will accept age from command line. If given age is less than '18' years then throw "NOTEligibleForVoting" user defined exception.

Q3) Write a program to read the file. File name should be given from command line print the contents in uppercase.

Q4) Write thread application where first thread prints even number from '1' to '100' and other thread prints alternative characters from 'A' to 'Z'.

P.T.O.

Q5) Create class voter with attributes votername, voteraddress,votercontactNo., Voteraddhar, etc. Accept details of '10' voters in an array of objects and display the accepted details.

Q6) Write an applet to display mouse position on status line.

Q7) Write an awt application which will have a list, a text field, & a button with caption 'Add' when 'Add' button is clicked contents of text field should be added to list.

Q8) Write notes any Two.

- a) Differentiate between latebinding & early binding.
- b) Wrapper classes
- c) Runnable Interface
- d) Garbage collection.



Total No. of Questions : 6]

SEAT No. :

P1914

[4772]-301

[Total No. of Pages : 1

M.C.M.

301 : INFORMATION SECURITY AND AUDITS

(Management Faculty)

(2012 Pattern) (Semester-III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Question No. 1 and 6 are compulsory.*
- 2) Solve any three from the remaining.*
- 3) Figures to the right indicate full marks.*

Q1) RANBAN is a pharmaceutical company which has multiple branches across the country and all the branch offices are interconnected through the network.

[20]

- i) As a security consultant identify different risks involved with this network.
- ii) Also suggest different Intrusion Detection Systems for maintaining the network security and specify importance of it in maintaining the network security.

Q2) Discuss different Biometric Controls for protecting Information System.

[10]

Q3) "Proper implementation of IPR helps to reduce the threats with organizational information". Comment.

[10]

Q4) What is Security? Enlist different security models. Discuss ISO 27001. **[10]**

Q5) Discuss security in wireless networks.

[10]

[4 x 5 = 20]

- Q6)**
- a) Disaster Recovery Planning.
 - b) Cryptographic Techniques.
 - c) Privacy Issues in Web Services.
 - d) Biometric Controls.
 - e) Role of Internet in Global Information System.
 - f) Technological Impact on Data Privacy.



Total No. of Questions : 6]

SEAT No. :

P1915

[4772] - 302

[Total No. of Pages : 1

M.C.M.

NETWORKING SPECIALIZATION

302 - NT: Basics of Network Technologies

(2012 Pattern) (Semester - III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question No. 1 and Q.No. 6 are compulsory.*
- 2) *Solve any three from the remaining.*
- 3) *Figures to the right indicate full marks.*

Q1) a) Explain steps in installation of windows 2003 server. **[10]**

b) Explain configuration of Apache web server in Linux. **[10]**

Q2) Explain Active Directory in Windows 2003 server. **[10]**

Q3) Explain process management commands in Linux. **[10]**

Q4) Explain various application protocols. **[10]**

Q5) Explain network topologies with their advantages and disadvantages. **[10]**

Q6) Write short notes: (Any Four) **[4×5 = 20]**

- a) Wireless Network
- b) POP and IMAP
- c) ISDN modem
- d) IIS
- e) Linux File system
- f) Group policy



Total No. of Questions : 7]

SEAT No. :

P1916

[4772]-303

[Total No. of Pages : 1

M.C.M. (Management Faculty)
NETWORKING SPECIALIZATION
303-NT : Server and Desktop Technologies
(2012 Pattern) (Semester-III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question No. 1 and 6 are compulsory.*
- 2) *Attempt any three from remaining.*

Q1) What is meant by Micro programmed control units? What are its advantages? Explain briefly its operation. **[20]**

Q2) What is Drive? Enlist and discuss different types of drives. **[10]**

Q3) Explain with block diagram the 64 bits Pentium Dual Core Architecture. **[10]**

Q4) What is meant by pipelining? Explain different types of pipelining in detail. **[10]**

Q5) Elaborate recovery console process. Also focus on partition types in windows XP. **[10]**

Q6) Explain the process of hardware and driver installation in windows 7. Discuss network installation process in windows 7. **[10]**

Q7) Write short notes on (Any Four): **[4 x 5 = 20]**

- a) SMPS.
- b) Addressing modes.
- c) CD and DVD.
- d) User Management in Windows XP.
- e) Wi-Fi configuration in Windows-7.



Total No. of Questions : 7]

SEAT No. :

P1917

[4772] -304

[Total No. of Pages : 1

M.C.M.

NETWORKING SPECIALIZATION

304-NT: System Administration and Server Integration

(2012 Pattern) (Semester - III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question 1 & 7 are compulsory.*
- 2) *Answer any three questions from remaining.*
- 3) *Figures to the right side indicate full marks.*

Q1) a) Explain concept of Domains and Active Directory. Explain steps for Active Directory Installation. **[10]**

b) Explain Installation of Fedora Linux in Text Mode. **[10]**

Q2) Explain how to manage Groups and Computer Account in Window Server 2008. **[10]**

Q3) Explain default Directory structure and their purpose in Fedora Linux. **[10]**

Q4) Set by step explain DHCP server in Window 2003. **[10]**

Q5) Illustrate package management in Linux. **[10]**

Q6) Draw and explain Architecture of Linux with reference to Kernel and Shell. **[10]**

Q7) Write short notes on (any four). **[20]**

- a) Advantages of Distributed System.
- b) Application Server
- c) Samba Server
- d) Virtual hosting
- e) Groups in Windows



Total No. of Questions : 6]

SEAT No. :

P1918

[4772] - 305

[Total No. of Pages : 1

M.C.M.

SOFTWARE TESTING SPECIALIZATION
302-ST: Quality Control and Software Testing
(2012 Pattern) (Semester - III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question No. 1 is compulsory.*
- 2) *Solve any four from the remaining.*
- 3) *Figures to the right show marks.*

Q1) a) Role of Software tester in project team? [4]

b) Write test cases for mobile phone. [10]

Q2) Explain various testing methods and techniques. [14]

Q3) What is Review? What is its purpose? Explain different types of Review. [14]

Q4) Who is stakeholder? How they are important in software testing? [14]

Q5) What is TMM? Explain different levels of TMM. [14]

Q6) Write short notes: (Any Two) [14]

- a) Agile & Extreme testing.
- b) Data warehouse
- c) Acceptance testing.



Total No. of Questions : 6]

SEAT No. :

P1919

[4772]-306

[Total No. of Pages : 1

M.C.M.

SOFTWARE TESTING SPECIALIZATION

303-ST : Software Testing Processes & Documentation

(2012 Pattern) (Semester-III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question No. 1 is compulsory.*
- 2) *Solve any four from remaining.*
- 3) *Figures to the right indicate full marks.*

Q1) a) What is software testing? Explain software testing life cycle in detail with neat diagram. **[10]**

b) Explain verification and validation testing. **[4]**

Q2) a) Differentiate white box and black box testing. **[7]**

b) Write a brief note on testing tools. **[7]**

Q3) Describe various testing levels with suitable examples. **[14]**

Q4) What are test cases? Write test cases for ATM money withdrawal operation. Prepare a checklist for the functional testing of ATM money withdrawal application. **[14]**

Q5) a) What do you mean by internal controls of software testing? Explain various internal control models. **[7]**

b) Write a brief note on COTS software test process. **[7]**

Q6) Write short notes on (any two): **[14]**

a) Security testing techniques.

b) Wireless application testing.

c) Test plan.



Total No. of Questions : 7]

SEAT No. :

P1920

[4772] -307

[Total No. of Pages : 1

M.C.M.

SOFTWARE TESTING SPECIALIZATION

304-ST: Software Test Planning and Documentation

(2012 Pattern) (Semester - III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q.Nos.7 is compulsory.*
- 2) *Solve any five from the remaining.*

Q1) Differentiate user's roel and tester's role in software testing. **[12]**

Q2) Define test report. Explain pareto charts and voting. **[12]**

Q3) Discuss in detail the usage of tools in testing. **[12]**

Q4) Explain functional test cases and stress test cases. **[12]**

Q5) Define test plan. How to develop a test matrix? **[12]**

Q6) What is risk? Explain risk associated with software testing. **[12]**

Q7) Write short notes on any 2. **[2×5 = 10]**

- a) Test plan standards.
- b) Regression analysis.
- c) Test script.



Total No. of Questions : 7]

SEAT No. :

P1921

[4772] - 308

[Total No. of Pages : 2

M.C.M.

SOFTWARE DEVELOPMENT SPECIALIZATION

302 SD: Programme and Design with ASP.NET

(2012 Pattern) (Semester - III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question No. 1 is compulsory.*
- 2) *Solve any four questions from Q.No. 2 to Q.No.7.*
- 3) *Figures to the right indicate full marks.*

Q1) Draw and Explain ASP.NET architecture in detail. **[10]**

Q2) Explain Comparison Validators, Range Validators and Regular Expression Validators in detail with suitable examples. **[15]**

Q3) Explain various navigation controls in detail with the help of web.sitemap file. **[15]**

Q4) Design a form and write code to: **[15]**

- a) Populate and display Author's names in a drop down list.
- b) Select a Author from drop down list & display its details in underlying text boxes.
- c) Add a record
- d) Delete Selected Record
- e) Edit Selected Record

Use disconnected architecture. Name of Server: MyAspDB (SQL Server)

Name of Table: AuthorMaster (AuID, FirstName, LastName, City, Email).

P.T.O.

Q5) Define a class Book with appropriate attributes. Write default and parameterized constructor for the same. Write a method to check book is available in library or not. Write a main program to demonstrate your functionality. **[15]**

Q6) Explain the following controls: (Any Three). **[15]**

- a) File Upload Control
- b) Image Map Control
- c) Checkbox List Control
- d) Grid View Control

Q7) Write short notes on following: (Any Three) **[15]**

- a) Creating and Using Master Pages
- b) Exception Handling
- c) WPF and WCF
- d) LINQ



Total No. of Questions : 8]

SEAT No. :

P1922

[4772]-309

[Total No. of Pages : 1

M.C.M. (Management Faculty)
SOFTWARE DEVELOPMENT SPECIALIZATION
303-SD : Mobile Programming using Android
(2012 Pattern) (Semester-III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question 1 & 8 are compulsory.*
- 2) *Answer any four questions from remaining questions.*

Q1) Answer the following: **[20]**

- a) Discuss the features and need of sqlite database in android.
- b) Write down the detail procedure to create views and layout in android.
Explain with suitable example.

Q2) Explain the various services provided by android. Also explain the implementation and life cycle of service. **[10]**

Q3) Differentiate between interface and abstract class with suitable example in detail. **[10]**

Q4) Discuss android features over the other mobile application platform. Describe the software development kit for android in detail. **[10]**

Q5) Describe cursor in sqlite. Explain it with an example. **[10]**

Q6) Elaborate cursors and content values in android. **[10]**

Q7) Explain in detail java classes and objects with suitable example. **[10]**

Q8) Write short notes on (any two): **[10]**

- a) UI components.
- b) Types of preferences.
- c) Android versions and features.



Total No. of Questions : 6]

SEAT No. :

P1923

[4772] - 310

[Total No. of Pages : 2

M.C.M. -II

SOFTWARE DEVELOPMENT SPECIALIZATION

304 - SD: Advanced Java

(2012 Pattern) (Semester - III)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Q.No.1 is compulsory.*
- 2) Solve any four questions from remaining.*
- 3) Figures to the right indicate full marks.*

Q1) Solve the following:

[10]

- a) Write socket and server socket class constructor.
- b) Write a code to call stored procedure using JDBC.
- c) What is UDP.
- d) Explain the factory methods using java.net package
- e) Write two methods from ResultSetMeta Data.

Q2) Write a client-server socket program to accept a string from client. The server will check whether the string is a palindrome or not and send response. [15]

Q3) Write servlet for accepting two numbers from user and works as a simple calculator with add, subtract, multiply and divide. [15]

Q4) Write a JDBC code to display the list of students who scored grade 'A' is their result. Assume suitable table structure. [15]

P.T.O.

Q5) Write HTML page to accept employee information (name, dept, designation). Create bean information. Write JSP page to display information in tabular format. **[15]**

Q6) Short notes (any 3). **[15]**

- a) JNDI.
- b) Types of JDBC drivers.
- c) Session Tracking in servlets.
- d) JSP directives.



Total No. of Questions : 7]

SEAT No. :

P1924

[4772] - 401

[Total No. of Pages : 1

M.C.M. (Management Faculty)
IT-401: CURRENT TRENDS IN IT
(2012 Pattern) (Semester - IV)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question No.1 & Question No. 7 are compulsory.*
- 2) *Solve any four from Questions from the remaining.*
- 3) *Figures to the right indicate full marks.*

Q1) A Life Insurance Company needs to create a customer -centric business model to understand its customer needs. It also needs to streamline the operations, reduce cost, focus on growing market Segment and provide a wide range of services. The insurance Company has therefore decided to stay ahead by implementing. Enterprize Content Management. For the above case, design a suitable content Management System. **[15]**

Q2) Explain features and need of social network sites. **[10]**

Q3) Explain cloud computing and its models. **[10]**

Q4) What is Electronic Document Management (EDM)? Explain in detail. **[10]**

Q5) What is E-commerce? Discuss its advantages and disadvantages. **[10]**

Q6) What is e-Learning? Explain its types. **[10]**

Q7) Write A short Note (Any 3): **[15]**

- a) Cloud types
- b) Advantages of social networking sites
- c) Virtual School system
- d) Mobile shopping
- e) Online discussion
- f) CMS

